

Title (en)
Bicycle front derailleur

Title (de)
Vorderer Umwerfer für ein Fahrrad

Title (fr)
Dérailleur avant pour bicyclette

Publication
EP 1867563 B2 20150318 (EN)

Application
EP 06022629 A 20061030

Priority
US 45322006 A 20060615

Abstract (en)
[origin: EP1867563A2] A bicycle front derailleur (12) includes a fixed member (22), a chain guide (28) and a linkage assembly (30). The fixed member (22) includes a fixing body (34) and a projection part (36) fixedly coupled together. The fixing body (34) includes a fastening portion (44) with a seat tube reference plane that aligns with a longitudinal center axis of a seat tube when coupled thereto. The projection part (36) has a projecting surface offset axially from the fixing body (34) toward a smallest front chain ring of a bicycle front crankset. The projecting surface has an overall vertical height lying substantially in a single plane measured in a direction parallel to the seat tube reference plane that is greater than 10 millimeters in an area between the seat tube reference plane and 23 millimeters measured perpendicularly and forwardly from the seat tube reference plane.

IPC 8 full level
B62M 9/135 (2010.01); **B62M 9/136** (2010.01)

CPC (source: EP US)
B62M 9/135 (2013.01 - EP US); **B62M 9/136** (2013.01 - EP US)

Citation (opposition)
Opponent :

- US 45322006 A 20060615
- US 6277044 B1 20010821 - FUJIMOTO TADAO [JP]
- JP H08324480 A 19961210 - BRIDGESTONE CYCLE CO

Cited by
EP2583888A1; CN103010396A; ITMI20131641A1; EP2857305A1; US9399501B2; TWI650271B; US9446817B2; US9452807B2; US10239580B2

Designated contracting state (EPC)
DE IT

DOCDB simple family (publication)
EP 1867563 A2 20071219; EP 1867563 A3 20090325; EP 1867563 B1 20101215; EP 1867563 B2 20150318; CN 101088852 A 20071219; DE 602006018885 D1 20110127; US 2007293359 A1 20071220; US 7867118 B2 20110111

DOCDB simple family (application)
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